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AS3MT antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12950

Specification

AS3MT antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q9HBK9
Other Accession	NM_020682, NP_065733
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Goat, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**42kDa KDa**

AS3MT antibody - middle region - Additional Information

Gene ID 57412

Alias Symbol	**CYT19, RP11-753C18.6**

Other Names
Arsenite methyltransferase, 2.1.1.137, Methylarsonite methyltransferase, S-adenosyl-L-methionine:arsenic(III) methyltransferase, AS3MT, CYT19

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-AS3MT antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
AS3MT antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

AS3MT antibody - middle region - Protein Information

Name AS3MT

Synonyms CYT19

Function
Catalyzes the transfer of a methyl group from AdoMet to trivalent arsenicals producing methylated and dimethylated arsenicals (PubMed:16407288, PubMed:25997655). It methylates arsenite to form methylarsonate, Me-AsO(3)H(2),

which is reduced by methylarsonate reductase to methylarsonite, Me-As(OH)2 (PubMed:16407288, PubMed:25997655). Methylarsonite is also a substrate and it is converted into the much less toxic compound dimethylarsinate (cacodylate), Me(2)As(O)-OH (PubMed:16407288, PubMed:25997655).

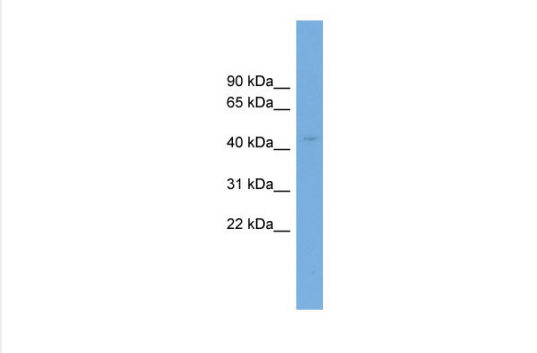
Cellular Location
Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8VHT6}

AS3MT antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AS3MT antibody - middle region - Images



WB Suggested Anti-AS3MT Antibody Titration: 0.2-1 µg/ml
Positive Control: Jurkat cell lysate